



MISSOURI DEPARTMENT OF TRANSPORTATION
STEEL FRAME, STEEL FLOOR PLATFORM BODY LESS STAKE SIDES SPECIFICATIONS

Overall width not to exceed 96".

E1320
September, 2000

Overall length as specified on bid form.

Body frame to be all steel welded into a single unit.

Long sills shall be 5", 6.7# structural steel and gusseted front, rear and at each cross sill.

Cross sills shall be structural steel or 11 gauge high strength, 50,000# rollformed steel spaced on minimum 12" centers for maximum strength and gusseted throughout to long sills and welded to side rails.

Front, rear and sides (rub rails) shall be 11 gauge high strength, 50,000# rollformed steel with 12 gauge steel lined stake pockets.

Floor shall be steel with a non-skid 3/16" safety tread plate surface over 2" nominal CCA pressure treated tongue and groove #1 dense yellow pine, securely welded to cross sills flush with rub rails.

Recessed, rubber grommated, weather tight and high impact reflectorized lights at each of the four corners as required by the latest Federal regulations.

Backup alarms are to be provided.

The entire frame is to be primed and finished with two coats of automotive enamel. The manufacturers standard color will be acceptable.

The Missouri Highway and Transportation Commission reserves the right to waive technicalities and to reject any or all bids and no bid is final until formally accepted by the Commission.



E1327
September, 2000

MISSOURI DEPARTMENT OF TRANSPORTATION
PLATFORM BODY WITH STEEL FLOOR AND UNDERBODY HOIST SPECIFICATIONS
(LESS HYDRAULIC PUMP, VALVE ASSEMBLY AND HOSES)

BODY -- Minimum length overall as specified on bid form, width not to exceed 96". Floor shall be steel with a non-skid 3/16" safety tread plate surface securely welded to cross sills flush with rub rails. Body to have welded side and end rails of formed steel. Stake pockets approximately 1-3/4" x 3-1/2" boxed full depth or rails installed inside of rails will be provided, front, side and rear. Long sills will be a minimum of 5" high, of channel steel sections. Cross sills will be approximately 4" high on minimum 12" centers of channel steel sections. Long sills will be securely attached to cross sills. The body hinge pins to be removable type with a minimum of 1-1/4" diameter. A welded flat or three point type hinge is acceptable. Body to have fully enclosed recessed corner clearance lights. To be equipped with two red clearance lights on rear and two amber clearance lights on front with cluster of three red lights at rear located in a protected position in rear body rail. All wiring to be protected.

HOIST -- N.T.E.A. performance range E or equal, rated minimum 12 ton capacity with a 18" body overhang. The hoist shall be a single or twin arm scissors type, have a double acting single cylinder providing power up, and power down action and a solid torque trunnion. The dumping angle shall be a minimum of 40 degrees.

Do Not include hydraulic pump, valve assembly, hoses and PTO

The hoist hinges and lift arm connection assembly is to be connected to body long sills so as to be integral with body. The body attaching brackets must be adjustable to fit any body sill spacing. The saddle and body guides are to bolt to truck frame with spacers provided to eliminate hotching of body sill where it rests on hoist saddle.

Bids will be considered on any standard unit providing that any minor deviations from these specifications are clearly noted on bid.

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E1335
September, 2000

MISSOURI DEPARTMENT OF TRANSPORTATION
TWO CUBIC YARD STRUCK CAPACITY DUMP BODY WITH DOUBLE ACTING HOIST FOR 1
TON CHASSIS-CAB WITH 56" OR 60" CA. (LESS HYDRAULIC PUMP, TANK, VALVE ASSEMBLY
AND HOSES) SPECIFICATIONS

BODY

Description - Contractor type all welded 12 gauge steel constructed shell, minimum 6' 6" wide inside x 8' long and a full 96" outside width, 2 cubic yard water level sides and 3 cubic yard ends. Backup alarms are to be provided.

The body head sheet metal panel shall have a double or triple flanged or fully boxed top rail.

The body side sheet metal shall be reinforced by a minimum of two pyramid V-Type, Square or Rectangular boxed vertical braces running from the top rails to the rub rails and have full height fully boxed rear corner braces. The sides shall have full length triple flanged or fully boxed top rails and full length sloping rub rails. Side board sockets are to be provided front and rear. The body understructure shall be steel channel, structural or equal strength steel cross members and longitudinal members. The understructure shall be gusseted and welded to the floor.

Each rear corner post shall have a built in shock resistant recessed oval stop/taillight and shock resistant recessed oval backup light. Each light shall have a minimum 8' wiring harness.

The body tailgate will be double acting with boxed braced steel top, side and bottom rails. It will have a minimum 5/16" spreader and hold chains, standard hardware with overhanging top hinge with a minimum of 1" diameter pin and bottom hinge pin with a minimum of 1" diameter. The trip handle is to be upright on left front corner of the body and mounted so as not to interfere with the opening and closing of truck cab door. The trip handle should open the lower hinge on the tailgate with little effort and should not travel more than approximately 90 degrees to a horizontal position. When the tailgate is open to a horizontal position the tailgate should be level with the dump body floor. **A minimum 3/16" x 1 1/2" x 1 1/2" (or equal strength) license plate bracket shall be welded to the tailgate.**

Flared body bracket guides will be attached to either hoist frame or body understructure to align body in position and keep from moving from side to side. A safety body prop should also be provided.

The body overhang shall be approximately 10".

HOIST - Class 20, Minimum 6 Ton Capacity, Underbody Double Arm Lift Type with Double Acting Hoist

Double acting cylinder providing power-up and power down. The cylinder should have a bypass or relief valve which limits the dumping angle to a maximum of 45 degrees. Hoist hinges may be welded or fastened to longitudinal members. (Bolted hinges are preferred but either type will be acceptable).



Hoist lift arm connection assembly is to be integral with body. Hinge pins to be removable type with a minimum of 1 1/4" diameter. Do not include hydraulic pump, tank, valve assembly and hoses.

COLOR - Color to be same as the truck specified on the purchase order. The entire must have at least one coat of primer and be treated with a rust protection treatment.

GENERAL - Bids will not be considered on any body and hoist that deviates from these specifications.

Descriptive literature and complete technical data must be furnished with your bid.

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